

## Exhibit 300: Capital Asset Plan and Business Case Summary

### Part I: Summary Information And Justification (All Capital Assets)

#### Section A: Overview

1. **Date of Submission:** 2010-09-17

2. **Agency:** 023

3. **Bureau:** 30

4. **Name of this Investment:** Cloud Computing

5. **Unique Project (Investment) Identifier (UPI):** 023-30-01-09-01-3060-24

6. **What kind of investment will this be in FY 2012?:** Mixed Life Cycle

- Planning
- Full Acquisition
- Operations and Maintenance
- Mixed Life Cycle
- Multi-Agency Collaboration

7. **What was the first budget year this investment was submitted to OMB?** FY2009

8.

- a. **Provide a brief summary of the investment and justification, including a brief description of how this closes in part or in whole an identified agency performance gap, specific accomplishments expected by the budget year and the related benefit to the mission, and the primary beneficiary(ies) of the investment.**

This investment is related to the IT Infrastructure Line of Business (ITILoB) investment which ends in FY2010. Last year, an Exhibit 300 was submitted for Cloud Computing for BY2011 and initial E-Gov funding for was provided in January 2010. Spending of these funds has/is being reported in the Exhibit 300 for ITILoB through FY2010. Due to progress made to date, the Cloud Computing investment will be classified as Mixed Life Cycle as some funds will be allocated to operational activities. Cloud Computing efforts will focus on initiatives in deploying cloud services, such as Infrastructure as a Service (IaaS), Platform as a Service (PaaS) and Software as a Service (SaaS), which offer the following benefits: ubiquitous network access, Resource Pooling, On-Demand self-service, Rapid Elasticity, Reduced IT Infrastructure Total Cost of Ownership (TCO), Transition of Capital Expenditure to Operational Expenditure, Improved Availability, Effective Citizen Engagement Services, Sustainability, Business Continuity and Disaster Recovery. All initiatives will be funded through the E-Government fund, directed by the Federal CIO (OMB's E-Government Administrator) and overseen in coordination with the Federal CIO Council, and supported by the GSA ITI program office. Specifically, this initiative will: develop a strategic approach for the federal cloud(s); address barriers and compliance issues; develop mechanisms to purchase "X" as a Service (IaaS, PaaS, SaaS); identify and provide access to standard collaboration and communication tools, and allow agencies to acquire cloud services as a commodity. This investment is directly involved with supporting the 1st five action items in the 25 Point Implementation Plan to Reform Federal Information Technology Management: 1) Complete detailed implementation plans to consolidate 800 data centers by 2015; 2) Create a government-wide marketplace for data center availability; 3) Shift to a "Cloud First" policy; 4) Stand-up contract vehicles for secure IaaS solutions; and 5) Stand-up contract vehicles for "commodity" services (e.g., SaaS Email). The business capabilities listed above align to all four of the current GSA IT Strategic Business Plan goals as well as Presidential Initiatives on open government, cost reduction and sustainability.

- b. **Provide any links to relevant websites that would be useful to gain additional information on the investment including links to GAO and IG reports.**

Title	Link
NONE	

9.

- a. **Provide the date of the Agency's Executive/Investment Committee approval of this investment.**  
2010-08-17
- b. **Provide the date of the most recent or planned approved project charter.** 2009-11-06

10. **Contact information?**

- a. **Program/Project Manager Name:** \*  
**Phone Number:** \*  
**Email:** \*
- b. **Business Function Owner Name (i.e. Executive Agent or Investment Owner):** Dave McClure  
**Phone Number:** \*  
**Email:** \*

**11. What project management qualifications does the Project Manager have? (choose only one per FAC-P/PM or DAWIA):** Project manager qualifications according to FAC-P/PM or DAWIA criteria is under review for this investment.

- Project manager has been validated according to FAC-P/PM or DAWIA criteria as qualified for this investment.
- Project manager qualifications according to FAC-P/PM or DAWIA criteria is under review for this investment.
- Project manager assigned to investment, but does not meet requirements according to FAC-P/PM or DAWIA criteria.
- Project manager assigned but qualification status review has not yet started.
- No project manager has yet been assigned to this investment.

## Section B: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.B.1: Summary of Funding  
(In millions of dollars)

(Estimates for BY+1 and beyond are for planning purposes only and do not represent budget decisions)

	PY-1 and earlier	PY 2010	CY 2011 (CY Continuing Resolution)	BY 2012	BY+1 2013	BY+2 2014	BY+3 2015	BY+4 and beyond	Total
Planning:	*	*	*	*	*	*	*	*	*
Acquisition:	*	*	*	*	*	*	*	*	*
Planning & Acquisition Government FTE Costs	*	*	*	*	*	*	*	*	*
Subtotal Planning & Acquisition(DME):	*	*	*	*	*	*	*	*	*
Operations & Maintenance:	*	*	*	*	*	*	*	*	*
Disposition Costs (optional):	*	*	*	*	*	*	*	*	*
Operations, Maintenance, Disposition Government FTE Costs	*	*	*	*	*	*	*	*	*
Subtotal O&M and Disposition Costs (SS):	*	*	*	*	*	*	*	*	*
TOTAL FTE Costs	*	*	*	*	*	*	*	*	*
TOTAL (not including FTE costs):	*	*	*	*	*	*	*	*	*
TOTAL (including FTE costs):	*	*	*	*	*	*	*	*	*
Number of FTE represented by	*	*	*	*	*	*	*	*	*

**Table I.B.1: Summary of Funding**  
**(In millions of dollars)**

(Estimates for BY+1 and beyond are for planning purposes only and do not represent budget decisions)

	PY-1 and earlier	PY 2010	CY 2011 (CY Continuing Resolution)	BY 2012	BY+1 2013	BY+2 2014	BY+3 2015	BY+4 and beyond	Total
Costs:									

2. Insert the number of years covered in the column “PY-1 and earlier”:

3. Insert the number of years covered in the column “BY+4 and beyond”: \*

4. If the summary of funding has changed from the FY 2011 President’s Budget request, briefly explain those changes:

\*

## Section C: Acquisition/Contract Strategy (All Capital Assets)

1.

Table I.C.1 Contracts Table

Contract Status	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	Solicitation ID	Alternative financing	EVM Required	Ultimate Contract Value (M)	Type of Contract/Task Order (Pricing)	Is the contract a Performance Based Service Acquisition (PBSA)?	Effective date	Actual or expected End Date of Contract/Task Order	Extent Competed	Short description of acquisition
Awarded	4735	GS00Q09NSC0002	NA		*	*	\$1.5	Time and Materials	N	2009-10-01	2011-09-30	Full and Open Competition	Technical planning and acquisition support
Awarded	4730	GS10010AA0198	GS10F0018M		*	*	\$5.3	Firm Fixed Price	N	2010-04-01	2015-03-31	Full and Open Competition	Program Management Support
Awarded	4730	GS00I0AAC0116	NA		*	*	\$0.5	Time and Materials	N	2010-05-01	2011-04-30	Full and Open Competition	Technical operational support

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:

\*

3.

- Has an Acquisition Plan been developed? If yes, please answer the questions that follow \*
- Does the Acquisition Plan reflect the requirements of FAR Subpart 7.1 \*
- Was the Acquisition Plan approved in accordance with agency requirements \*
- If "yes," enter the date of approval? \*
- Is the acquisition plan consistent with your agency Strategic Sustainability Performance Plan? \*
- Does the acquisition plan meet the requirements of EOs 13423 and 13514? \*
- If an Acquisition Plan has not been developed, provide a brief explanation.

\*

## Part II: IT Capital Investments

### Section A: General

1.
  - a. Confirm that the IT Program/Project manager has the following competencies: configuration management, data management, information management, information resources strategy and planning, information systems/network security, IT architecture, IT performance assessment, infrastructure design, systems integration, systems life cycle, technology awareness, and capital planning and investment control. yes
  - b. If not, confirm that the PM has a development plan to achieve competencies either by direct experience or education.
2. Describe the progress of evaluating cloud computing alternatives for service delivery to support this investment. NA-entire investment is for cloud computing
3. Provide the date of the most recent or planned Quality Assurance Plan 2011-02-28
4.
  - a. Provide the UPI of all other investments that have a significant dependency on the successful implementation of this investment.
  - b. If this investment is significantly dependent on the successful implementation of another investment(s), please provide the UPI(s).
5. An Alternatives Analysis must be conducted for all Major Investments with Planning and Acquisition (DME) activities and evaluate the costs and benefits of at least three alternatives and the status quo. The details of the analysis must be available to OMB upon request. Provide the date of the most recent or planned alternatives analysis for this investment. 2010-11-30
6. Risks must be actively managed throughout the lifecycle of the investment. The Risk Management Plan and risk register must be available to OMB upon request. Provide the date that the risk register was last updated. 2011-01-13

## Section B: Cost and Schedule Performance

Table II.B.1. Comparison of Actual Work Completed and Actual Costs to Current Approved Baseline:

Description of Activity	DME or SS	Agency EA Transition Plan Milestone Identifier	Planned Cost (\$M)	Actual Cost (\$M)	Planned Start Date	Actual Start Date	Planned Completion Date	Actual Completion Date	Planned Percent Complete	Actual Percent Complete
FY11 DME Apps.gov (FY10 Funding)	DME	*	\$0.5	\$0.5	2010-10-01	2010-10-01	2011-03-31	2011-03-31	100.00%	100.00%
FY11 SS FTE Costs	SS	*	\$0.6	\$0.6	2010-10-01	2010-10-01	2011-03-31	2011-03-31	100.00%	100.00%
FY13 Budget SS PMO Support	SS	*	*	*	2012-10-01	*	2013-09-30	*	*	*
FY14 Budget SS FTE Costs	SS	*	*	*	2013-10-01	*	2014-09-30	*	*	*
FY14 Budget DME Strategy and Governance Center	DME	*	*	*	2013-10-01	*	2014-09-30	*	*	*
FY12 Budget DME Apps.gov	DME	*	\$1.2	\$0.0	2011-10-01		2012-09-30		0.00%	0.00%
FY11 DME Security as a Service (FY10 Funding)	DME	*	\$0.9	\$0.9	2010-10-01	2010-10-01	2011-03-31	2011-03-31	100.00%	100.00%
FY11 DME SaaS Email (FY10 Funding)	DME	*	\$0.3	\$0.3	2010-10-01	2010-10-01	2011-03-31	2011-03-31	100.00%	100.00%
FY13 Budget SS FTE Costs	SS	*	*	*	2012-10-01	*	2013-09-30	*	*	*
FY13 Budget DME Strategy and Governance Center	DME	*	*	*	2012-10-01	*	2013-09-30	*	*	*
FY14 Budget SS Strategy and Governance Center	SS	*	*	*	2013-10-01	*	2014-09-30	*	*	*
FY14 Budget	DME	*	*	*	2013-10-01	*	2014-09-30	*	*	*



Table II.B.1. Comparison of Actual Work Completed and Actual Costs to Current Approved Baseline:

Description of Activity	DME or SS	Agency EA Transition Plan Milestone Identifier	Planned Cost (\$M)	Actual Cost (\$M)	Planned Start Date	Actual Start Date	Planned Completion Date	Actual Completion Date	Planned Percent Complete	Actual Percent Complete
DME Emerging Technology Innovation Center/Pilots										
FY12 Budget DME Data Center Consolidation	DME	*	\$0.7	\$0.0	2011-10-01		2012-09-30		0.00%	0.00%
FY11 SS Contractor Costs	SS	*	\$0.1	\$0.1	2010-10-01	2010-09-30	2011-03-31	2011-03-31	100.00%	100.00%
FY11 DME Data Center Consolidation (FY10 Funding)	DME	*	\$0.6	\$0.6	2010-10-01	2010-10-01	2011-03-31	2011-03-31	100.00%	100.00%
FY12 Budget SS Software Maintenance	SS	*	\$0.2	\$0.0	2011-10-01		2012-09-30		0.00%	0.00%
FY12 Budget DME SaaS Email	DME	*	\$0.7	\$0.0	2011-10-01		2012-09-30		0.00%	0.00%
FY13 Budget DME Emerging Technology Innovation Center/Pilots	DME	*	*	*	2012-10-01	*	2013-09-30	*	*	*
FY12 Budget SS Contractor Costs	SS	*	\$2.0	\$0.0	2011-10-01		2012-09-30		0.00%	0.00%
FY14 Budget SS Emerging Technology Innovation Center/Pilots	SS	*	*	*	2013-10-01	*	2014-09-30	*	*	*
FY12 Budget DME Security as a Service	DME	*	\$0.6	\$0.0	2011-10-01		2012-09-30		0.00%	0.00%
FY13 Budget SS Emerging Technology Innovation	SS	*	*	*	2012-10-01	*	2013-09-30	*	*	*

Table II.B.1. Comparison of Actual Work Completed and Actual Costs to Current Approved Baseline:

Description of Activity	DME or SS	Agency EA Transition Plan Milestone Identifier	Planned Cost (\$M)	Actual Cost (\$M)	Planned Start Date	Actual Start Date	Planned Completion Date	Actual Completion Date	Planned Percent Complete	Actual Percent Complete
Center/Pilots										
FY13 Budget SS Strategy and Governance Center	SS	*	*	*	2012-10-01	*	2013-09-30	*	*	*
FY14 Budget SS PMO Support	SS	*	*	*	2013-10-01	*	2014-09-30	*	*	*
FY12 Budget SS FTE Costs	SS	*	\$1.0	\$0.0	2011-10-01		2012-09-30		0.00%	0.00%
FY11 DME FedRAMP (Security as a Service)	DME	*	\$0.3	\$0.0	2011-04-01	2011-04-01	2011-09-30		50.00%	50.00%
FY11 DME Data Center Consolidation	DME	*	\$0.4	\$0.2	2011-04-01	2011-04-01	2011-09-30		50.00%	50.00%
FY11 DME Cloud (Apps.gov + Email as a Service)	DME	*	\$0.4	\$0.2	2011-04-01	2011-04-01	2011-09-30		50.00%	50.00%

2. If the investment cost, schedule, or performance variances are not within 10 percent of the current baseline, provide a complete analysis of the reasons for the variances, the corrective actions to be taken, and the most likely estimate at completion. NA

3. For mixed lifecycle or operations and maintenance investments an Operational Analysis must be performed annually. Operational analysis may identify the need to redesign or modify an asset by identifying previously undetected faults in design, construction, or installation/integration, highlighting whether actual operation and maintenance costs vary significantly from budgeted costs, or documenting that the asset is failing to meet program requirements. The details of the analysis must be available to OMB upon request. Insert the date of the most recent or planned operational analysis. 2011-08-01

4. Did the Operational analysis cover all 4 areas of analysis: Customer Results, Strategic and Business Results, Financial Performance, and Innovation? yes

Section C: Financial Management Systems

Table II.C.1: Financial Management Systems			
System(s) Name	System acronym	Type of Financial System	BY Funding
*	*	*	*

## Section D: Multi-Agency Collaboration Oversight (For Multi-Agency Collaborations only)

Table II.D.1. Customer Table:

Customer Agency	Joint exhibit approval date
005	
514	
006	
485	
007	
019	
020	
100	
352	
360	
364	
023	
009	
024	
025	
010	
011	
012	
026	
393	
422	
505	
449	
028	
452	
016	
014	

Table II.D.1. Customer Table:

Customer Agency	Joint exhibit approval date
021	
015	
029	

Table II.D.2. Shared Service Providers

Shared Service Provider (Agency)	Shared Service Asset Title	Shared Service Provider Exhibit 53 UPI (BY 2011)
*	*	*

Table II.D.3. For IT Investments, Partner Funding Strategies (\$millions):

Partner Agency	Partner exhibit 53 UPI (BY 2012)	CY Monetary Contribution	CY "In-Kind" Contribution	CY Fee-for-Service	BY Monetary Contribution	BY "In-Kind" Contribution	BY Fee-for-Service
023	023-30-01-12-01-3060-24	\$6.1		\$0.0	*	*	*

Table II.D.4. Legacy Systems Being Replaced

Name of the Legacy Investment of Systems	Current UPI	Date of the System Retirement
*	*	*

## Section E: Performance Information

Table I.E.1a. Performance Metric Attributes

Measurement Area (For IT Assets)	Measurement Grouping (For IT Assets)	Measurement Indicator	Reporting Frequency	Unit of Measure	Performance Measure Direction	Baseline	Year Baseline Established for this measure (Origination Date)
Customer Results	New Customers and Market Penetration	No baseline established yet; new offering in FY10	quarterly	1 federal customer	Increase	No baseline established yet; FedRAMP office to be launched in Q1 FY10	2011-09-30
			Fiscal Year	Target	Actual Results	Target "Met" or "Not Met"	Last Updated
			2012	1 per quarter		Not Due	2010-09-17
Technology	User Requirements	Number of CFO Act agencies participating in the development of new service requirements	quarterly	1 CFO Act agency	Increase	10	2010-09-30
			Fiscal Year	Target	Actual Results	Target "Met" or "Not Met"	Last Updated
			2011	2	As of Q3 - 2 new participating agencies - Treasury Department, Department of Education.	Met	2011-07-28
Mission and Business Results	Information Sharing	Number of cloud computing implementations in the Federal Government as identified through documented use cases	quarterly	1 federal implementation	Increase	No baseline established yet; new initiative in FY10	2011-09-30
			Fiscal Year	Target	Actual Results	Target "Met" or "Not Met"	Last Updated
			2012	3 per quarter		Not Due	2010-09-17
Mission and Business	Information Sharing	Number of cloud	quarterly	1 federal implementation	Increase	No baseline established	2010-09-10

Results		computing implementations in the Federal Government as identified through documented use cases				yet; new initiative in FY10	
			Fiscal Year	Target	Actual Results	Target "Met" or "Not Met"	Last Updated
			2011	3 per quarter	As of Q3, 3 new case studies - Federal Labor Relations Authority, Bureau of Engraving and Printing, and Treasury Department.	Met	2011-07-28
Technology	External Data Sharing	Number of cloud products to receive ATOs from FedRAMP	quarterly	1 product	Increase	No baseline established yet; FedRAMP office to launch in Q1 FY11	2011-09-30
			Fiscal Year	Target	Actual Results	Target "Met" or "Not Met"	Last Updated
			2012	1 per quarter		Not Due	2010-09-17
Customer Results	New Customers and Market Penetration	Number of new federal customers using cloud service offerings (IaaS, PaaS, SaaS, Email)	quarterly	1 federal customer	Increase	No baseline established yet; new offerings in FY10	2011-09-30
			Fiscal Year	Target	Actual Results	Target "Met" or "Not Met"	Last Updated
			2012	1 per quarter		Not Due	2010-09-17
Customer Results	New Customers and Market Penetration	Number of prospective customers as identified through verbal expressions of interest and meeting requests	quarterly	1 prospective customer (ordering activity)	Increase	None established	2011-09-30
			Fiscal Year	Target	Actual Results	Target "Met" or "Not Met"	Last Updated
			2011	2	As of Q3, 3 new prospective customers	Met	2011-07-28

			identified. GSA (Public Building Services), Environmental Protection Agency, United States Department of Agriculture.				
Processes and Activities	Participation	Number of visitors to info.apps.gov	quarterly	1 visitor	Increase	No baseline established yet; portal launched in May 2010	2010-09-10
			Fiscal Year	Target	Actual Results	Target "Met" or "Not Met"	Last Updated
			2011	25 visitors	As of Q3 - 4030 more visits to the site in Q2 than in Q1 of FY11 (total of 9650)	Met	2011-07-28
Processes and Activities	Participation	Number of visitors to info.apps.gov	monthly	1 visitor	Increase	No baseline established yet; portal launched in May 2010	2011-09-30
			Fiscal Year	Target	Actual Results	Target "Met" or "Not Met"	Last Updated
			2012	25 per quarter		Not Due	2010-09-17

\* - Indicates data is redacted.